Instructions for *Worksheet #15* - WS15 diesel retrofit verified technology

If your project involves diesel retrofit of a verified technology, please us worksheet # 15.

Step one:

Copy and save the electronic version of worksheet # 15 to your hard drive renaming it the same as the project name. If you have multiple sized vehicles producing different emissions, you will need to repeat this step, renaming them differently for each one.

Step two:

Read through the entire worksheet. Pay particular attention to all the directions.

Step three:

Begin filling out ALL the cells highlighted in yellow. Start with the project name then the project area, followed by the fiscal year the application is being submitted.

Step four: (Line No. 1)

Fill in this cell with the number of fleet trucks, of the same class, size, and family, that are to receive the technology.

Step five: (Line No. 2)

Enter in this cell the average number of miles each truck travels per day.

Step six: (Line No. 3)

Enter the average speed the fleet travels in this cell.

Step seven: (Line No. 4)

Enter the current emission factor, for the speed entered in step six, based on the scale provided in the look-up table. Comments: http://www.epa.gov/otaq/retrofit/retroverifiedlist.htm

Step eight: (Line No. 7)

Enter in this cell, the estimated efficiency from the EPA's verified technology list. (given in decimal equivalent)

Step nine: (Line No. 11)

The numbers in these brown shaded cells are the numbers you will need for the application. The emission reduction reported on the application MUST match these numbers. The only circumstance that permits otherwise is if the project has multiple size vehicles. In that case, the numbers in these brown cells for each worksheet need to be added up and that sum is recorded on the application.

Step ten: (Comments)

The box labeled “Comments” is provided for question, explanations, and references. All quantitative information used to calculate an emission reduction must be verified with valid references. If a qualitative analysis is required for an emission reduction estimate, the submitter or project manager has to provide, in writing, the qualitative data relating to or involving the comparisons made.

NOTE: If the project has multiple sized vehicles in the same fleet, disregard steps eleven and twelve and proceed to **worksheet # 00_cost effectiveness** utilizing the numbers in the brown cells that have been calculated for each of the vehicles.

Step eleven: (Line No. 12)

Once the project is complete and can be considered functioning, how many years will it provide the reported reductions in emissions? That is the number entered in this cell.

Step twelve: (Line No. 13)

The total project cost needs to be entered in this cell. The cells below it will automatically calculate the cost effectiveness of this project in the units of cost per kilogram over the life of the project. This too is needed for the application and should match exactly.

Finally, save all your work and proceed to the application form